

SURIYAA B K

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CAREER OBJECTIVE

To pursue a career that bridges software development and data analytics, utilizing my skills in competitive programming, problem-solving. I aim to contribute to innovative projects by applying coding expertise, analytical thinking, and visualization skills.

EDUCATION

KONGU ENGINEERING COLLEGE

B.E CSE

2023-2027

VELAN VIKHAS MATRIC HR SEC SCHOOL

HSC

2021-2023

SKILLS

TECHNICAL

- C
- Java
- C++
- HTML
- CSS

SOFT SKILLS

- Problem Solving
- Logical Thinking
- Teamwork
- Time Management
- Leadership
- Communication

AREA OF INTEREST

- Competitive Programming
- Data Analytics

LANGUAGES

- English
- Tamil

ACHIEVEMENTS

- Achieved 1st place at **Ruby Day project Expo2025**.
- Earned 2nd place in **Codefest'25 in KEC**.
- Solved **700+** problems on **Leetcode**.
- Presented Project in **Nacreous2025**.
- Presented Paper in **Cognissance2K25**.

PROJECTS

Enhanced Snake Game with Smart Leaderboard

- Built using **HTML5, Javascript (frontend)** and **Flask, SQLite (backend)**.
- Implemented a **Random Forest model** to classify player's performance based on gameplay data.
- Integrated **data visualization** to display player statistics and performance trends for decision-making.
- Designed a **real-time leaderboard** with responsive UI and automatic performance feedback.

Smart CO Detection and Monitoring System

- Developed an IoT-based safety system using **MQ-7 gas sensor** to **detect carbon monoxide** levels in real time.
- Integrated an **alarm system, notification alerts, and automated phone call service** to immediately warn users of CO gas leakage.
- Implemented a **control mechanism** to automatically cut off the AC's power supply upon gas detection, ensuring enhanced safety.

CERTIFICATIONS

- MongoDB Associate Developer.
- Oracle APEX Cloud Developer.